## What is claimed is:

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- 1. A laser scanning unit comprising:
- at least one light source emitting at least one light beam;
- a polygon mirror that deflects the at least one light beam emitted by the at least one light source;

an image focusing system that focuses an image corresponding

to each light beam deflected from the polygon mirror onto the surface of a plurality of photoconductive drums; and

an incident optical system disposed between the at least one light source and the polygon mirror, the incident optical system comprising an infinite optical system along a main scanning direction and a finite optical system along a sub-scanning direction.

- 2. The laser scanning unit of claim 1, wherein the incident optical system further comprises:
- a first cylinder lens that converges the light beams along the sub-scanning direction and directly transmits the light beams along the main scanning direction in terms of proceeding paths of said light beams; and
- a second cylinder lens that converges the light beams that passes through the first cylinder along into the sub-scanning direction and directly transmits said beams along the main scanning direction.
- 3. The laser scanning unit of claim 2, wherein the first and second cylinder lens are made of a glass material.
- 4. The laser scanning unit of claim 2, wherein the first cylinder lens is made of a glass material and the second cylinder lens is made of a plastic material.
- 5. The laser scanning unit of claim 2, further comprising a plurality of reflecting mirrors that change proceeding paths of light beams to project the at least one light beam onto the polygon mirror with the same incidence angles.
- 6. The laser scanning unit of claim 5, wherein the reflecting mirrors are flat and reflection-coated.

- 7. The laser scanning unit of claim 1, wherein the light source has at least one light-emitting point.
- 5 8. The laser scanning unit of claim 1, further comprising a separator installed between the polygon mirror and the image focusing system, which separates the light beams deflected by the polygon mirror